

Converting Colors

XYZ(40.7367, 21.4187, 26.1555)

Have a look what the booklet for
XYZ(40.7367, 21.4187, 26.1555)
contains.

| | |
|------------------------------------------------|----|
| XYZ(40.8149, 21.4475, 26.0333) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(40.8149, 21.4475,
26.0333)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | EF248A |
| RGB | 239, 36, 138 |
| RGB Percent | 94%, 14%, 54% |
| CMY | 0.0627, 0.8587, 0.4588 |
| CMYK | 0.00, 0.85, 0.42, 0.06 |
| HSL | 330°, 86%, 54% |
| HSV | 330°, 85%, 94% |
| XYZ | 40.8149, 21.4475, 26.0333 |
| YIQ | 108.3250, 88.2460, 74.7580 |

Conversions

Conversions Part 2

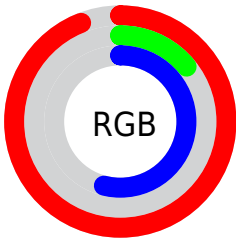
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 239, 36, 138 |
| Decimal | 15672458 |
| CIE _{Lab} | 53.44, 77.93, -4.42 |
| CIE _{LCh} | 53, 78.054, 356.757 |
| Yxy | 21.4475, 0.4623, 0.2429 |
| Android (android.graphics.Color) | 4293862538 (0xFFEF248A) |
| YUV | 108.3250, 14.6298, 114.6020 |
| Hunter-Lab | 46.3114, 76.2694, -0.9110 |

Details

The XYZ color **40.8149, 21.4475, 26.0333** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **36.1116, 63.9150, 34.1085**, and the grayscale version is **14.2909, 15.0352, 16.3733**.

A 20% lighter version of the original color is **56.0065, 35.7467, 53.2381**, and **19.8929, 10.0517, 10.1242** is the 20% darker color. If you saturate the color by 10%, you get **39.5023, 20.1257, 21.5778**, and if you desaturate by 10%, it is **42.7046, 23.7727, 31.1466**.

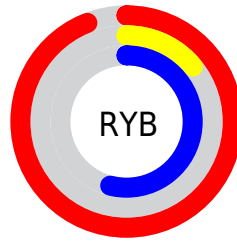
Distribution



Red (94%)

Green (14%)

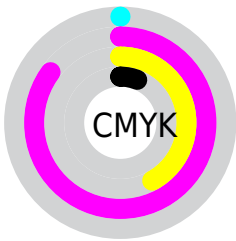
Blue (54%)



Red (94%)

Yellow (14%)

Blue (54%)

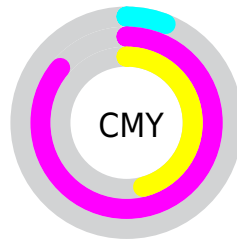


Cyan (0%)

Magenta (85%)

Yellow (42%)

Black (6%)



Cyan (6%)

Magenta (86%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8149, 21.4475, 26.0333 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.8149, 21.4475, 26.0333 by changing the saturation by 10% instead.

 40.8149, 21.4475,
26.0333


 40.8149, 21.4475,
26.0333


340.6222,
259.6472, 296.5562


 28.3615, 13.4515,
16.6226


 75.6793, 45.8311,
54.3134


 18.7402, 7.7402,
9.8067


 98.8210, 62.9875,
74.0199


 11.5856, 3.9291,
5.1670


 126.2563, 83.9662,
97.9953

 6.5323, 1.6340,
2.2851

 158.3503,
109.1515, 126.6583

 3.2151, 0.3804,
0.7229

 195.4686,
138.9279, 160.4273

 1.2685, 0.0000,
0.0000

237.9764,

 0.1595, 0.0000,

173.6797, 199.7209

0.0000

286.2392,
213.7914, 244.9577

■ 0.0000, 0.0000,
0.0000

■ 40.8149, 21.4475,
26.0333

■ 40.8149, 21.4475,
26.0333

■ 39.5023, 20.1257,
21.5778

■ 42.7046, 23.7727,
31.1466


■ 38.9913, 19.7086,
19.5426


■ 45.2555, 27.2647,
36.9596


■ 48.5383, 32.0606,
43.5097


■ 52.6138, 38.2777,
50.8301

■ 57.5359, 46.0198,
58.9515

 63.3538, 55.3812,
67.9024

 70.1125, 66.4482,
77.7095

 77.8541, 79.3013,
88.3983

 86.6179, 94.0155,
99.9929

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8454, 21.4475, 58.4087



40.8149, 21.4475, 26.0333



38.2005, 21.4475, 8.2341

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.8149, 21.4475, 26.0333



14.0149, 21.4475, 1.7033



12.8324, 21.4475, 86.1729

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.8149, 21.4475, 26.0333



36.1116, 63.9150, 34.1085

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.2028, 21.4475, 50.5436



40.8149, 21.4475, 26.0333



9.7440, 21.4475, 6.1962

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.8149, 21.4475, 26.0333



21.3009, 21.4475, 0.9931



8.2479, 21.4475, 20.8627



19.4961, 21.4475, 105.0841

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8149, 21.4475, 26.0333



33.3805, 21.4475, 3.3803



8.2479, 21.4475, 20.8627



11.2945, 21.4475, 74.9315

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.8155, 21.4487, 26.0336



73.2823, 63.9735, 78.4949



26.0634, 12.5739, 82.7144



15.1520, 12.8296, 15.9959



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8155, 21.4487, 26.0336



45.1439, 22.8215, 22.4874



36.6010, 19.7629, 3.8404



16.1041, 15.8913, 18.1043



21.6139, 10.9180, 11.1491



1.8483, 0.9284, 1.1920

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.8155, 21.4487, 26.0336



45.1439, 22.8215, 22.4874



46.6794, 68.1422, 89.7577



16.1041, 15.8913, 18.1043



21.6139, 10.9180, 11.1491



1.8483, 0.9284, 1.1920

Previews

White Background



This preview shows how the XYZ color 40.8149, 21.4475, 26.0333 looks on a white background.

Color Contrast Check

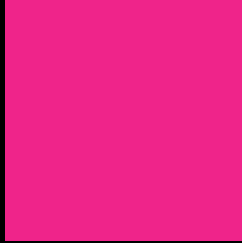
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.8149, 21.4475, 26.0333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8149, 21.4475, 26.0333

Background



This preview shows how black text looks on a background with the XYZ color 40.8149, 21.4475, 26.0333.



This preview shows how white text looks on a background with the XYZ color 40.8149, 21.4475,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.8149, 21.4475, 26.0333

Protanopia

22.9191, 21.7917, 52.8674

Deuteranopia

21.9192, 21.5493, 23.4262



Tritanopia

36.9377, 21.4891, 7.2020

Trichromacy



Original Color

40.8149, 21.4475, 26.0333



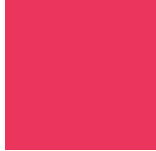
Protanomaly

24.6872, 17.6773, 41.1406



Deuteranomaly

25.8965, 18.5503, 24.0455



Tritanomaly

37.7969, 21.1518, 12.2158

Monochromacy



Original Color

40.8149, 21.4475, 26.0333



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.0574, 14.4344, 19.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8149, 21.4475, 26.0333 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 36, 138)` looks like.

```
.text, #text, p{  
    color:rgb(239, 36, 138)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 36, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 36, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.8149, 21.4475, 26.0333 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 36, 138) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 36, 138) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 36, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 36, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 36, 138);  
box-shadow:4px 4px 4px 4px rgb(239, 36,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8149, 21.4475, 26.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 36, 138) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239, 36,  
138) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor